

**California Regional Water Quality Control Board-Los Angeles Region**  
**Contracts and Grants Program**

**Project Summary: 04-075-554**

<b>Project Number:</b>	04-075-554	<b>Project Status:</b>	Active	<b>Grant Manager:</b>	M Jones
<b>Project Name:</b>	Assessment of Water Quality Loadings from Natural Landscapes	<b>Project on Schedule:</b>	Yes		

#### Project Details

**Watershed:** Los Angeles River

**Project Description:** This project will begin to fill the existing gap in our understanding of loadings from natural landscapes by characterizing the natural condition of flow, algae, benthic macroinvertebrates, suspended solids, organic carbon, nutrients, metals, and bacteria, and relate these to watershed properties such as geology, soils, and vegetative cover. The outcome of this project will provide a characterization of natural baseline loadings associated with specific geologic settings and natural land cover/habitat types. These characterizations will allow watershed stakeholders to compare loadings in impaired waterbodies to those in natural watersheds with comparable geologic and land cover characteristics. In addition, it will allow for an apportionment of total loading in impaired waterbodies from upstream natural portions of the watershed

**Problem Statement:** More than 100 stream reaches in southern California coastal watersheds are currently designated as impaired for water quality with respect to their beneficial uses. Consequently, they have been added to USEPA's 303 (d) list for a range of constituents including nutrients, algae, bacteria, and metals. For most of the designated reaches TMDLs will be developed and NPDES permits will be issued that contain requirements intended to ensure that water quality standards are met and beneficial uses are protected. One of the most important steps in the TMDL development is to identify all sources of the constituent(s) of concern in order to accurately quantify loads and set appropriate standards and allocations.

**Outcomes:** The overall goal of this proposal is to evaluate the contributions and properties of stream reaches in undeveloped catchments throughout the greater Los Angeles/Ventura areas in order to assist environmental managers with load allocations and setting appropriate numeric targets.

#### Contract

<b>Execution Date:</b>	7/15/04	<b>End Date:</b>	3/31/07
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#### Contractor

<b>Contractor Type:</b>	PR	<b>Project Director</b>	<b>Project Assistant</b>
<b>Contractor Name:</b>	Southern California Coastal Water Research Project (SCCWRP)	<b>Name:</b>	Eric Stein
<b>Contractor Department:</b>		<b>Phone Number:</b>	(714) 372-9233
<b>Street Address:</b>	7171 Fenwick Lane	<b>Phone Extension:</b>	
<b>Suite:</b>		<b>Fax Number:</b>	7148949699
<b>City:</b>	Westminster	<b>Email Address:</b>	erics@sccwrp.org
<b>State:</b>	CA		
<b>Zip:</b>	92683-		

#### Funding and Invoices

**Funding Source:** Prop-13-III

#### Fund Summary

**Project Amount:** \$919,502

**Match Amount:** \$135,000

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	<b>Award</b>	<b>Match</b>
<b>Allocation</b>	\$919,502.00	\$135,000.00
<b>Used</b>	\$646,697.13	\$63,883.00
<b>Balance</b>	\$272,804.87	\$71,117.00

## Deliverables

Line Item	Description	Date		Task Completed
		Due	Receive	
3.2.4	Narrative Profile of each Site Selected	6/1/05	7/19/05	Yes
	PAEP	1/18/05	1/20/05	Yes
	Work Plan	1/18/05	1/20/05	Yes
2.1	QAPP (draft)	10/5/04	10/19/04	Yes
2.1	QAPP	2/11/05	2/23/05	Yes
3.1	Review of Existing Data of Water Quality Monitoring	3/7/05	4/14/05	Yes
1.1	Contracts documentation			
1.2	Copy of final CEQA/NEPA documentation	3/1/05		
1.3	Signed cover sheets for all permits	11/1/04		
2.2	Monitoring Plan	10/1/04		
3.1.3	Database of Existing Data	2/1/05		
3.1.4	Report of Existing Data and Data Gaps Identified	2/1/05		
3.2.1	Map of all Survey Sites	3/1/05		
3.2.2	Database for Potential Survey Sites	4/1/05		
3.3.3	Report of Data Analysis	10/1/06		
3.3.4	Dry Weather Database			
3.4	Wet Weather Sampling			
3.4.1	Report of Wet Sampling Data Analysis, including Database	12/1/06		
3.4.2	Wet Weather Database	12/1/06		
3.5.3	Written Analysis of the Implications of Changes in Natural Loadings	1/15/07		
3.5.4	Written Analysis of Water Quality Characteristics of Reference IBI sites, including Supporting Data	1/15/07		
3.5.5	Written Analysis of Riverine Reference Condition, including Supporting Data and Model	1/15/07		
3.6.2	Draft Project Report	1/15/07		
3.6.3	Final Project Report	3/1/07		

## Events

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**Date:**            6/29/06

**Type:**            Status report

**Subject:**

**Status:**

**Comments:**

This is a two and a half year project intended to evaluate the water quality contributions and prolerites fo stream reaches in undeveloped catchments throughout southern California in order to assist environmental managers with load allocations and setting appropriate numeric targets. The project consists of four phases. Compliation and organization of existing data, characterization of southern California watersheds in terms of geology and land cover, selection of appropriate sites that reproesnt the range of natural conditions found throughout the region, dry and wet weather sampling, and develpment of assessment tools that include estimates of dry and wet weather ambient concentrations, flux rates, and expectations of beneficial use conditions.

The project is on schedule.

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